

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ ☒ X _____ WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd _____

DATE FILED JANUARY 12, 2000

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: JANUARY 20, 2000

14-20-H62-3529

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: BRUNDAGE CANYON

UNIT:

COUNTY: DUCHESNE

WELL NO. UTE TRIBAL 4-20

API NO. 43-013-32141

LOCATION 598 FNL FT. FROM (N) (S) LINE, 995 FWL

FT. FROM (E) (W) LINE. NW NW

1/4 - 1/4 SEC. 20

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				5 S	4 W	20	BARRETT RESOURCES CORP

BARRETT RESOURCES CORPORATION
January 7, 2000



State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Oil and Gas Conservation General Rules
R649-3-3 Exception to Location and Siting of Wells.
Ute Tribal No. 4-20

RECEIVED
JAN 12 2000
DIVISION OF OIL, GAS & MINING

Gentlemen:

Barrett Resources is proposing to drill a development well in the Brundage Canyon Field, Duchesne County, Utah. The well is located on lands within the Uintah and Ouray Ute Indian Reservation. A copy of the Federal Application for Permit to Drill (APD) is attached for your review. This APD has been submitted to the Bureau of Land Management (BLM) in Vernal and the Bureau of Indian Affairs (BIA) at Ft. Duchesne.

As shown on the attached staking plat, the proposed location for the Ute Tribal No. 4-20 falls outside of the allowed standard well spacing (R649-3-2). Barrett is requesting an exception to the spacing requirement per regulation R649-3-3. Barrett was unable to locate the proposed well within the allowed spacing "window" due to topographic constraints. The staked footages represent the closest accessible location to the spacing "window".

In accordance with R649-3-3, Barrett is providing a copy of the staking plat showing the proposed location in relation to the allowed spacing "window" and all tracts contacted by a circle with a radius of 460'. A second plat is also attached showing the actual or recently proposed location for all direct or diagonal offsetting wells. As to the 460' radius circle, Barrett is the owner of the adjacent NE/4 NW/4 of Section 20.

Barrett is requesting approval of this excepted location as proposed. If additional information is required, please contact Jeff Carlson at (303) 606-4063.

Sincerely,

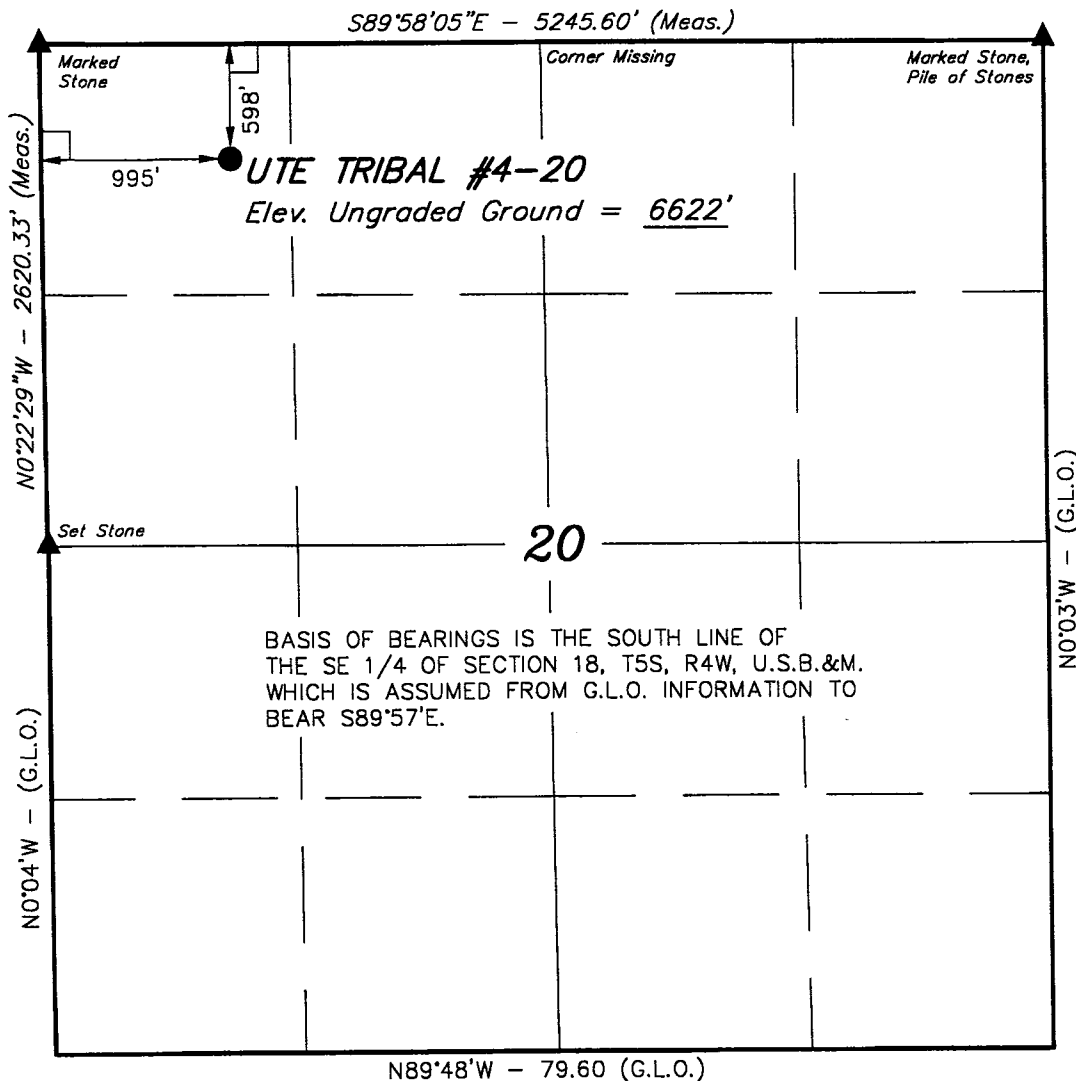
Debbie L. Wisener
Secretary

enclosures
cc: Debbie Stanberry

T5S, R4W, U.S.B.&M.

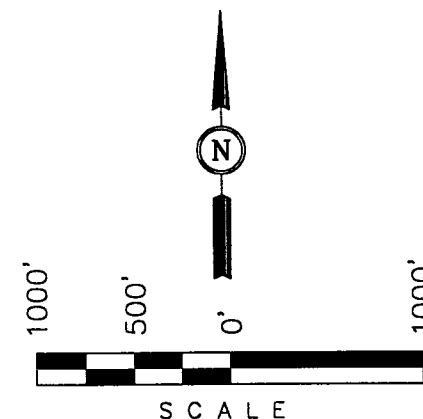
BARRETT RESOURCES CORPORATION

Well location, UTE TRIBAL #4-20, located shown in the NW 1/4 NW 1/4 of Section 20, T5S, R4W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6559 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

LEGEND:

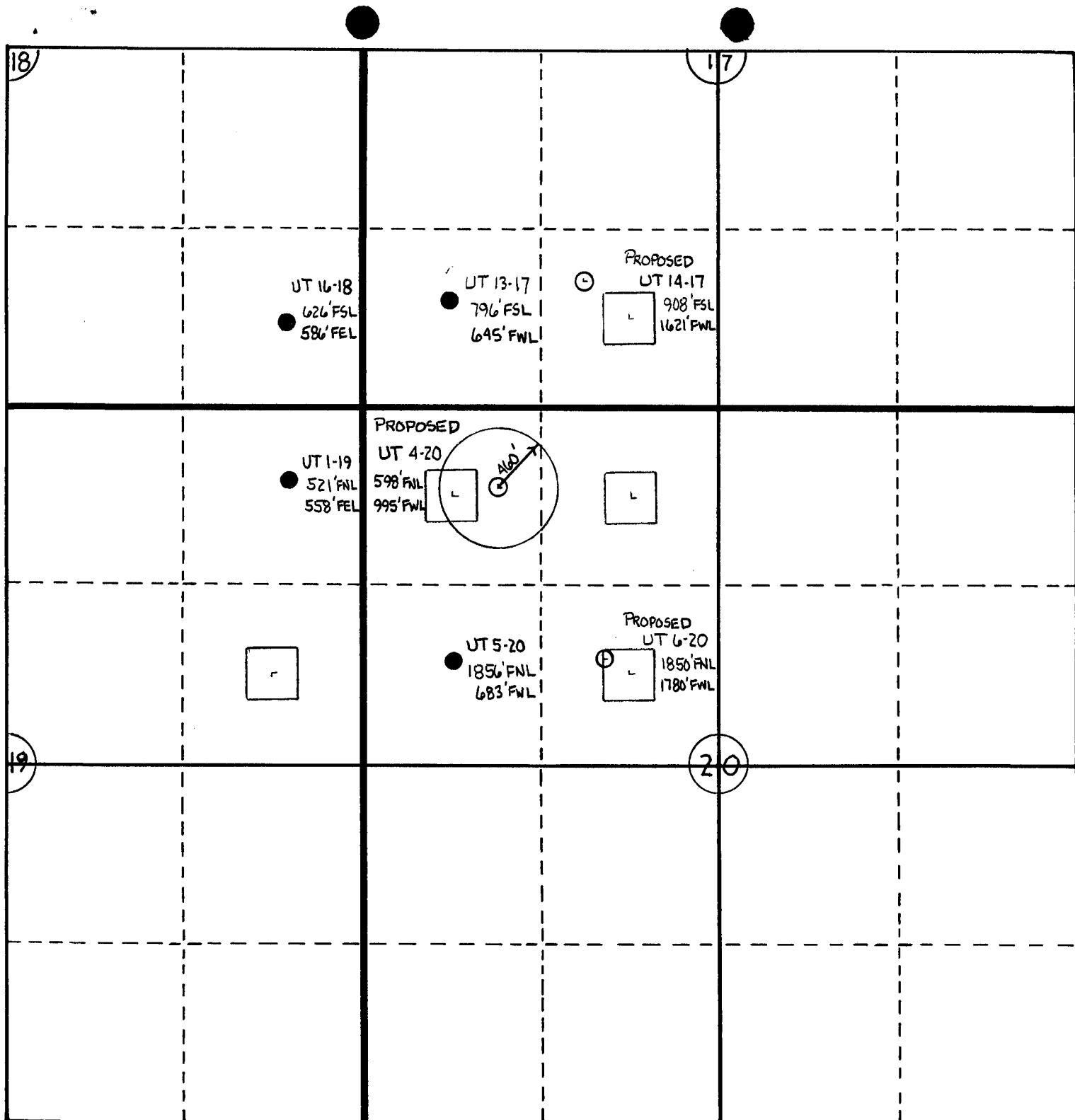
└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

LATITUDE = 40°02'15"
LONGITUDE = 110°21'52"

SCALE 1" = 1000'	DATE SURVEYED: 10-27-99	DATE DRAWN: 11-16-99
PARTY K.K. S.L. D.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BARRETT RESOURCES CORPORATION	



BRUNDAGE CANYON FIELD

UTE TRIBAL No. 4-20
EXCEPTION LOCATION PLAT
DUCHESNE COUNTY, UTAH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

Oil well ☒

Gas well ☐

OTHER ☐

Single zone ☒

Multiple zone ☐

2. NAME OF OPERATOR

BARRETT RESOURCES CORPORATION

CONFIDENTIAL

3. ADDRESS OF OPERATOR

30 WEST 425 SOUTH (330-5) ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

(NW/NW) 598' FNL, 995' FWL

4431916N
554226E

At proposed prod. zone

SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

22.2 MILES FROM MYTON, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

898'

16. NO. OF ACRES IN LEASE

640

17. NO OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING,

COMPLETED OR APPLIED FOR, ON THIS LEASE

1296'

19. PROPOSED DEPTH

5985'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6622' GR

22. APPROX. DATE WORK WILL START*

January 15, 2000

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	300'	180 SX
7 7/8"	5 1/2"	15.5#	5985'	235 SX

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL. PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

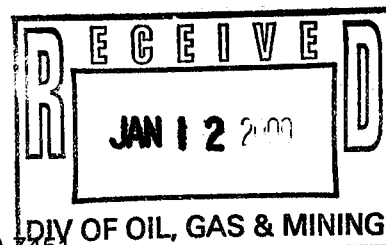
IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

GENE MARTIN
30 WEST 425 SOUTH (330-5)
ROOSEVELT, UTAH 84066

OFFICE: (435)722-1325

CELLULAR: (435)790-7251

Federal Approval of this
Action is Necessary



PLEASE KEEP THIS INFORMATION ON THIS WELL **CONFIDENTIAL**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Gene Martin

TITLE

Production Foreman

DATE

12/22/99

(This space for Federal or State office use)

PERMIT NO.

43-013-32141

APPROVED BY

CONDITIONS OF APPROVAL IF ANY

APPROVAL DATE

BRADLEY G. HILL
RECLAMATION SPECIALIST III

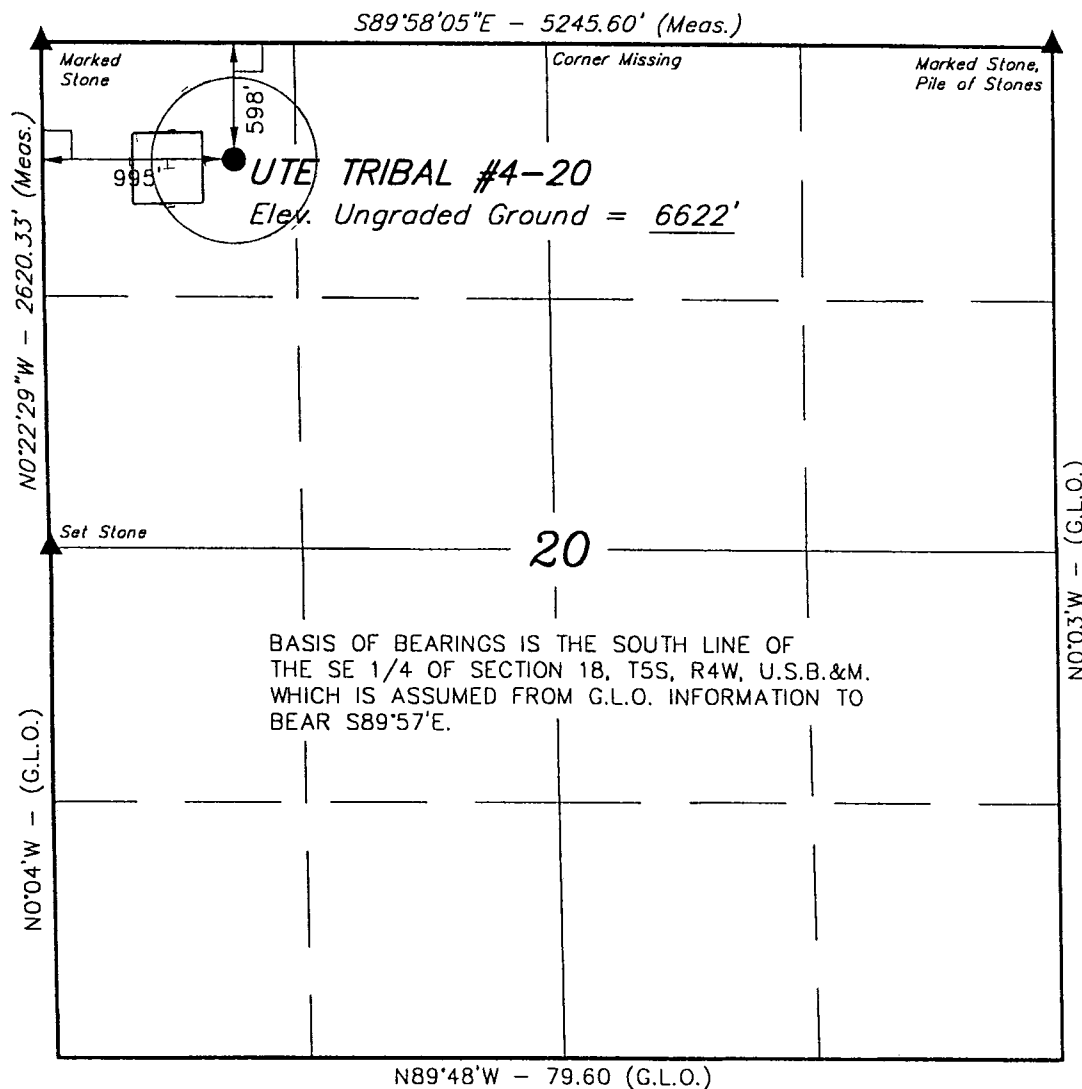
DATE

1/20/00

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T5S, R4W, U.S.B.&M.



LEGEND:

└─┘ = 90° SYMBOL

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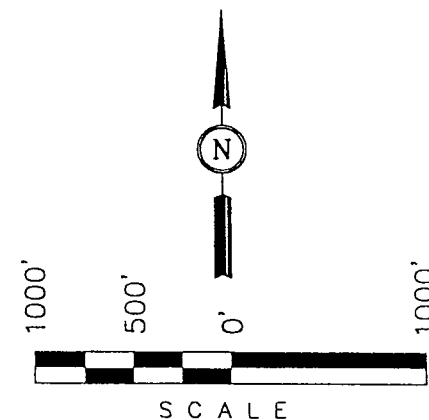
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BARRETT RESOURCES CORPORATION

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Robert L. Hay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
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PARTY K.K. S.L. D.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BARRETT RESOURCES CORPORATION	

SELF-CERTIFICATION STATEMENT

The following self -certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Barrett Resources Corporation is considered to be the operator of the following well.

Well Ute Tribal 4-20

NW 1/4, NW 1/4, 598' ^{G.M.}FNL, 995' ~~FEL~~, Section 20, T. 5 S., R. 4 W., U.S.B.&M.

Lease BIA-14-20-H62-3529

Duchesne, County, Utah

Barrett Resources Corporation is responsible under the terms of the lease for the operations conducted upon the lease lands.



Gene Martin

Production Supervisor

Barrett Resources Corporation

30 West 425 South (330-5)

Roosevelt, Utah 84066

435-722-1325

HAZARDOUS MATERIAL DECLARATION

FOR WELL NO. UTE 4-20

LEASE NO. 14-20-H62-3529

Barrett Resources Corporation guarantees that during the drilling and completion of the above referenced wells, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization act (SARA) of 1986.

Barrett Resources Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

TEN POINT PLAN

BARRETT RESOURCES CORPORATION

Ute Tribal 4-20

FWL G.M.

Surface location NW 1/4, NW 1/4, 598' FNL 995' ~~FEL~~, Section 20, T. 5 S., R. 4 W., U.S.B.&M.
Duchesne County, Utah

1,2,3 Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth</u>
Uinta	surface
Green River	1440'
Mahogany	2710'
TGR3 Marker	3755'
*Douglas Creek	4530'
*Castle Peak	5455'
Uteland Butte Ls.	5875'
TD	5985'

*PROSPECTIVE PAY

4 Casing Program

<u>HOLE</u>	<u>SETTING DEPTH</u>						
<u>SIZE</u>	<u>from</u>	<u>to</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>CONDITION</u>
12-1/4"	surface	300'	9-5/8"	32.3#	H40	ST&C	New
7-7/8"	surface	5985'	5-1/2"	15.5#	M50	LT&C	New

5 Cementing Program

9-5/8" Surface Casing	180 sx Premium Cement w/2% Calcium Chloride – Anhy and 0.25 lb/sk Flocele @ 1.16 ft ³ /sk (15.8 ppg)
5-1/2" Production Casing	Lead: 235 sx HiFill Mod V with 16% gel plus 7.5 lb/sk Gilsonite, 3% salt, 2.0 lb/sk Granulite TR 1/4 plus 0.8% HR@-7 and 0.75% Econolite plus 0.25 lb/sk Flocele @ 3.92 ft ³ /sk (11.0 ppg) Tail: 310 sx 50/50 POZ V with 2% gel plus 3% KCl, plus 3.0 lb/sk Silicalite and 1.0 lb/sk Granulite TR 1/4 and 0.2% Halad@-322 and 0.2% FWCA @ 1.48 ft ³ /sk (13.4 ppg)

6. Mud Program

<u>INTERVAL</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>	<u>FLUID LOSS</u>	<u>REMARKS</u>
0 – 300'	8.3 – 8.6	27-40	NC	Spud Mud
300 – 3800'	8.3 – 8.6	27-36	NC	Water/Gel
3800 – 5985'	8.6 – 8.8	27-30	NC	KCL Water

7. BOP and Pressure Containment Data

The anticipated surface pressure will be less than 2000 psi.

A 2000 psi wp BOP system as described in the BOP and pressure containment data (attached) will be installed and maintained from the 9 5/8 surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in Onshore Order No.2. The BOP will be mechanically checked daily during drilling operation.

The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.

8. Auxiliary equipment

- a) An upper Kelly Cock will be kept in the string at all times.
- b) A float will be used at the bit at all times.
- c) A stabbing valve will be available on the rig floor and will fit all rotary connections.
- d) 2" choke manifold and pit level indicator.

9. Testing, Logging and Core Programs

Cores	None
DST's	None anticipated
Sampling	10' dry cut samples; Douglas Creek to TD Preserve samples from all show intervals
Surveys	Run every 100' and on trips
Mud logger	Rocky Mountain Geo-Engineering; one-man mudlogging unit, TGR3 marker (3755') to TD
Logging Program	HRI-GR-SP w/ SDL-DSN-PE; surface casing to TD Provide digital log data (LAS format)

Barrett Resources Corporation
Drilling Program
Ute Tribal No. 4-20
Duchesne County, Utah
Page Three

10. Anticipated Abnormal Pressures or Temperatures

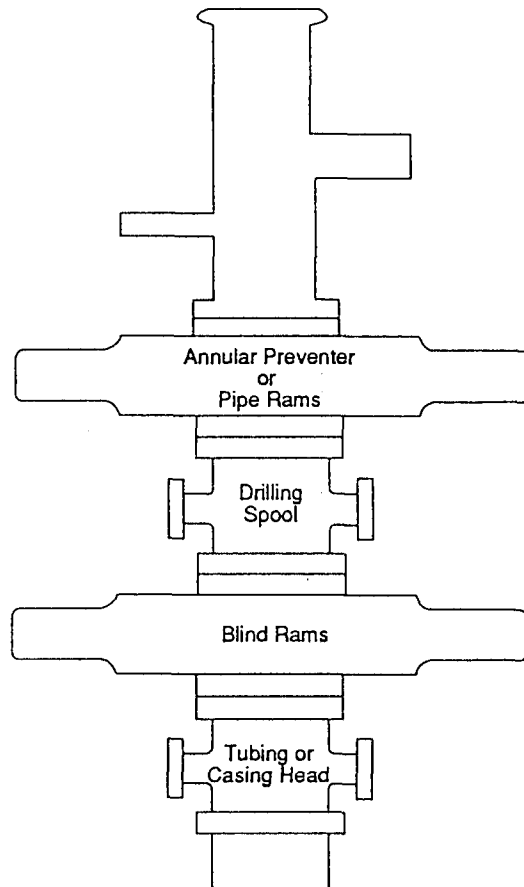
No abnormal pressures or temperatures or other hazards are anticipated. Other wells in the area have not encountered over-pressured zones or H₂S.

11. Drilling Schedule

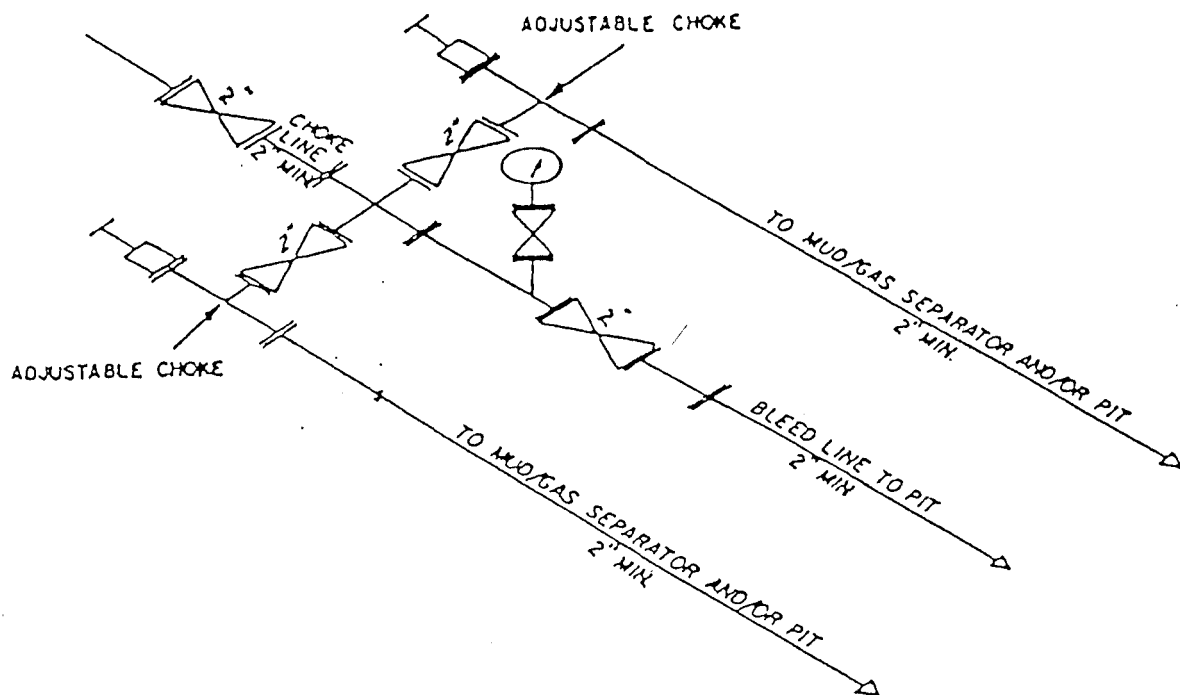
Dirt work start up:	Immediately upon approval of APD
Spud:	Approximately January 15, 2000
Duration:	10 days drilling time
	15 days completion time

CLASS II-B BLOWOUT PREVENTER STACK:

**Figure 11J.3
Class II-B Blowout Preventer Stack**



The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted for the annular preventer. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". An emergency kill line may be installed on the wellhead. As the maximum anticipated surface pressure of this stack is less than 2000 psi, screwed connections may be used. All components must be of steel construction. The Class II-B blowout preventer stack is shown to the left in Figure 11J.3.



② 2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

BARRETT RESOURCES CORPORATION

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION

UTE TRIBAL 4-20

LOCATED IN

**NW ¼ NW ¼, 598' FNL, 995' FWL
SECTION 20, T. 5 S. , R. 4 W., U.S.B.&M.**

DUCHESNE COUNTY, UTAH

LEASE NUMBER: BIA 14-20-H62-3529

SURFACE OWNERSHIP: UTE TRIBE

1. Existing Roads

To reach the Barrett Resources well, Ute Tribal 4-20 location, in Section 20-T5S-R4W:

Start in Myton, Utah. Proceed west on US Highway 40, 8.8 miles to the Antelope Creek/Sowers Canyon Road at the Bridgeland turnoff. Turn south and proceed 10.1 miles to the Brundage Canyon Road. Turn south on the Brundage Canyon Road and proceed south and west 3.1 miles. The road turns strongly to the north. Go +/- 400' north and turn west onto the proposed Ute Tribal 4-20 access road and proceed 0.2 miles to location.

The existing oilfield service road may need some surface material to prevent or repair holes in the road due to heavy truck traffic during the drilling and completion operation. If repairs are made the operator will secure material from private sources.

Please see the attached map for additional details.

2. Planned access road

Approximately 1056 feet of new road will be required.

Details of the construction are as follows;

Length- 1056 ft (approx)

Width- 32 ft(approx)

Grade- 10% or less

Please see the attached location plat for additional details.

No right of way will be required. All new construction will be conducted on lease.

All travel will be confined to existing road right of ways.

Access roads and surface disturbing activities will conform to standards outlined in the USGS publication (1978) Surface Operation Standards for Oil and Gas Development.

3. Location of Existing Wells

The following wells are located within one mile radius of the location site.

A) PRODUCING WELLS:

OIL WELL	UTE TRIBAL 15-17	SW/4 SE/4 SEC. 17-T5S-R4W
OIL WELL	UTE TRIBAL 13-17	SW/4 SW/4 SEC. 17-T5S-R4W
OIL WELL	UTE TRIBAL 16-18	SE/4 SE/4 SEC. 18-T5S-R4W
OIL WELL	UTE TRIBAL 1-19	NE/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 3-19	NE/4 NW/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 7-19	SW/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 9-19	NE/4 SE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 11-19	NE/4 SW/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 15-19	SW/4 SE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 5-20	SW/4 NW/4 SEC. 20-T5S-R4W
OIL WELL	SO. COTTONWOOD RIDGE UNIT NO. 1	NE/4 NE/4 SEC. 20-T5S-R4W

B) WATER WELLS: NONE

C) ABANDONED WELLS : UTE TRIBAL 7-20
SW/4 NE/4 SEC. 20-T5S-R4W

D) TEMPORARILY ABANDONED WELLS: NONE

E) DISPOSAL WELLS: NONE

F) DRILLING WELLS: NONE

G) SHUT IN WELLS: NONE

H) INJECTION WELLS: NONE

I) MONITORING OR OBSERVATION WELLS: NONE

PLEASE SEE ATTACHED MAP FOR ADDITIONAL DETAILS.

4. Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines

These wells are being drilled and evaluated on a lease basis. After the wells have been drilled, but before completion and production, a centralized production facility will be built to serve all 8 of these proposed wells. A Cooperative Development Agreement with the Ute Indian Tribe will be in place prior to the building of this centralized production facility.

All permanent (on site for six months or longer) structures constructed or installed will be painted a desert brown color. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is desert brown (10 YR 6/4).

The centralized tank battery will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

All site security guidelines identified in 43 CFR 3126.7 regulation will be adhered to. All off-lease storage, off-lease measurement, or commingling on lease or off lease will have prior written approval from the authorized officer.

A single production flowline or water injection line will be installed on the surface from the wellhead back to the central battery. The flowline will follow the wellsite access road. The right of way for the road has been staked on the ground. There will be no additional surface disturbances required for the installation of any gathering line.

Gas meter runs will be located at the central battery. The gas line will be buried, or anchored down from the separator to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for the meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration report will be submitted to the Vernal District office. All measurement facilities will conform with API and AGA standards for gas and liquid hydrocarbon measurement.

5. Location and Type of Water Supply

Water wells are planned for use in this area. Once these water wells have been drilled and completed, water from these new water wells will be trucked or piped to this location for drilling and completion purposes. A Water Use Agreement is in place with the Ute Tribe.

6. Source of Construction Materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional gravel or pit lining material will be obtained from private sources.

7. Methods for Handling Waste Disposal

A) Pit construction and liners:

The reserve pit will be approximately 10 feet deep and at least one-half of the depth shall be below the surface of the existing ground.

The reserve pit will be lined with a 16 mil pit liner. The pit liner will be torn and perforated after the pit dries and before backfilling the reserve pit. The reserve pit will be reasonably free of hydrocarbons before the pit is backfilled.

B) Produced Fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval for a permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage, fabricated from expanded metal, will be used to hold trash on location and will be removed to an authorized landfill location.

D) A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved out, the area around the wellsite will be cleaned and all refuse removed.

8. Ancillary Facilities

There are no ancillary facilities planned for at this time and none are foreseen in the future.

9. Wellsite Layout

Location dimensions are as follows:

A) PAD LENGTH	300 FT
B) PAD WIDTH	140 FT
C) PIT DEPTH	10 FT
D) PIT LENGTH	180 FT
E) PIT WIDTH	70 FT
F) MAX CUT	13.6 FT
G) MAX FILL	18.4 FT
H) TOTAL CUT YARDS	12,360 CU YDS
I) PIT LOCATION	SOUTHWEST CORNER
J) TOP SOIL LOCATION	NORTHEAST CORNER
K) ACCESS ROAD LOCATION	FROM THE SOUTH
L) FLARE PIT	WEST SIDE

Please see the attached location diagram for additional details.

All pits will be fenced according to the following standards:

- A) 39 inch net wire shall be used with at least one strand of wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces.
Distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

10. Plans for Restoration of the Surface

Prior to the construction of the location, the top 12 inches of soil material will be stripped and stockpiled. This will amount to 2,080 cubic yards of material. Placement of the topsoil is noted on the attached location plat. When all drilling and completion activities have been completed, the unused portion of the location (the area outside the deadmen) will be recontoured and the topsoil spread over the area.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

All disturbed areas will be recontoured to the approximate natural contours. Prior to backfilling the pit, the fences around the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The liner will also be torn and perforated after the pit dries and before backfilling of the reserve pit.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow backfilling, an extension on the time requirement for backfilling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and runoff from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert runoff as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road, will be scarified and left with a rough surface.

A) Recommended Seed Mixture:

Russian rye 6# per acre. Fairway crested wheat grass 6# per acre.

B) Seeding Dates:

After September 15, and before the ground freezes.

Seed will be broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the pounds per acre).

At such time the well is plugged and abandoned, the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixture and reseeding requirements.

11. Surface Ownership:

the Ute Tribe

12. Other Information

A) Vegetation:

The trees in the area are cedar and pinion. The vegetation coverage is slight. The majority of the existing vegetation is made up of rabbit, sage, and bitter brush. Also found on the location is prickly pear, Indian rice grass and yucca.

B) Dwellings:

There are no occupied dwellings, or other facilities within a one mile radius of this location.

C) Archaeology:

The location has been surveyed and there is no archaeological, historical, or cultural sites near the proposed site. Please see the attached archaeological clearance map.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is in the bottom of Sowers Canyon 3.3 miles to the west.

E) Wood:

No wood permit will be required for this location. Barrett Resources has a joint Venture Agreement with the Ute Tribe. This agreement makes it unnecessary for Barrett Resources to obtain a wood permit. Please see the Joint Venture Agreement, between Zinke & Trumbo Ltd., which has been assigned to Barrett Resources, if you require additional information.

Barrett Resources Corporation
Surface Use Plan
Ute Tribal No. 4-20
Duchesne County, Utah
Page Ten

F) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals shall be used without prior application.

G) Notification:

- a) BLM, Vernal, Utah: Stan Olmstead (801-789-1362)
24 to 48 hours before construction of the location.
Also after site construction and before the rig moves in.
- b) BIA, Fort Duchesne, Utah: Charlie Cameron (801-722-2406)
24 to 48 hours before construction of the location.
Also after site construction and before the rig moves in.
- c) Ute Tribe, Minerals Division, Fort Duchesne, Utah:
Ferron Secakuku (801-722-4992)
24 to 48 hours before construction of the location.
Also after site construction and before the rig moves in.

H) Flare Pit:

The flare pit will be located 15 feet from the reserve pit fence and 100 feet from the bore hole on the west side of the location, immediately above points B and C on the location layout plat. All fluids will be removed from the pit within 48 hours of occurrence.

I) Grazing Permittee:

Ute Tribal Livestock Enterprises
Fort Duchesne, Utah
801-722-2406

Barrett Resources Corporation

Surface Use Plan

Ute Tribal No. 4-20

Duchesne County, Utah

Page Eleven

13. Lessees or Operators Representative and Certification

A) Representative

NAME:	Gene Martin
ADDRESS:	Barrett Resources Corporation 30 West 425 South (330-5) Roosevelt, Utah 84066
PHONE:	435-722-1325
CELLULAR:	435-790-7451

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations and onshore oil and gas orders. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Barrett Resources Corporation
Surface Use Plan
Ute Tribal No. 4-20
Duchesne County, Utah
Page Twelve

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Barrett Resources Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

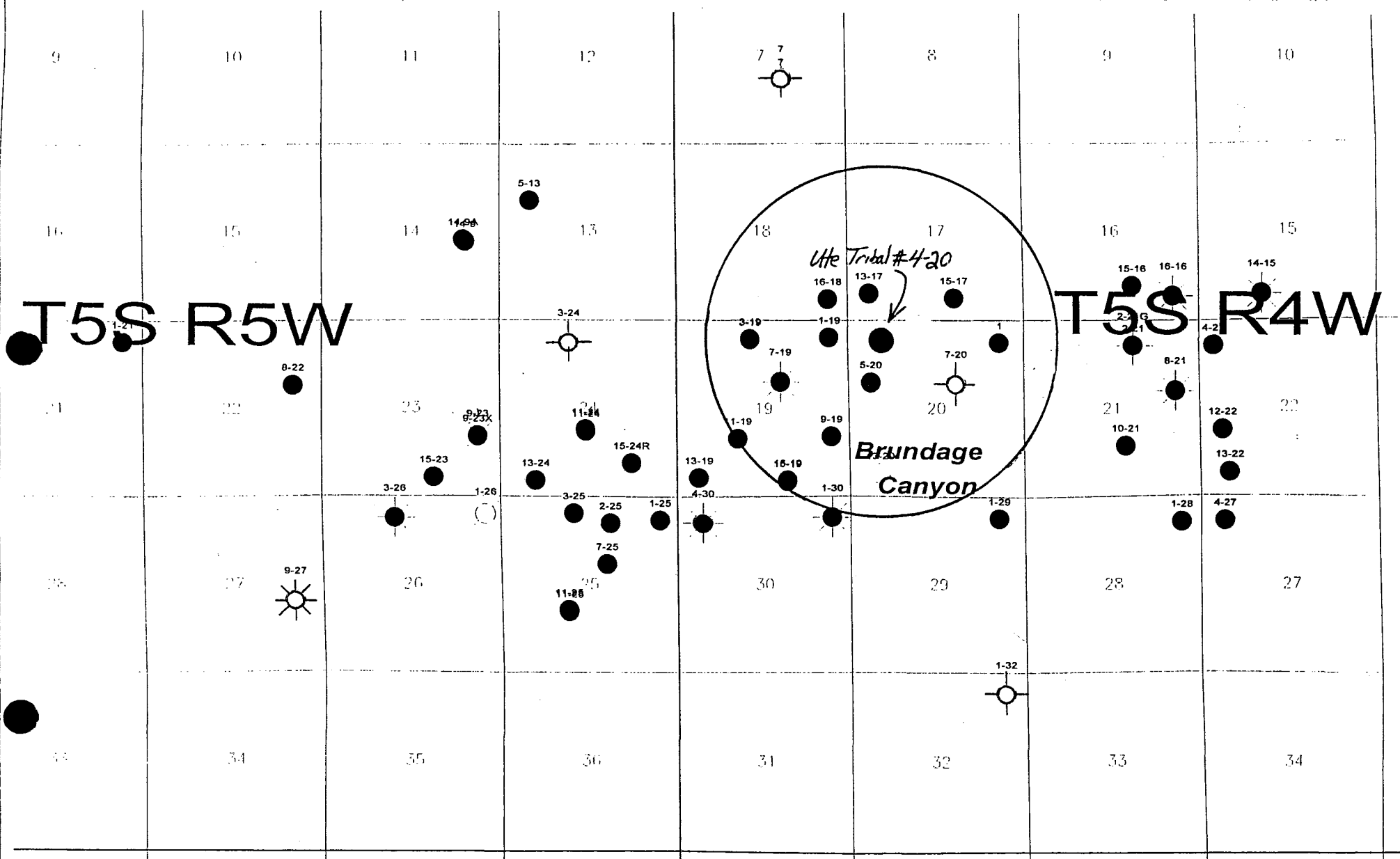
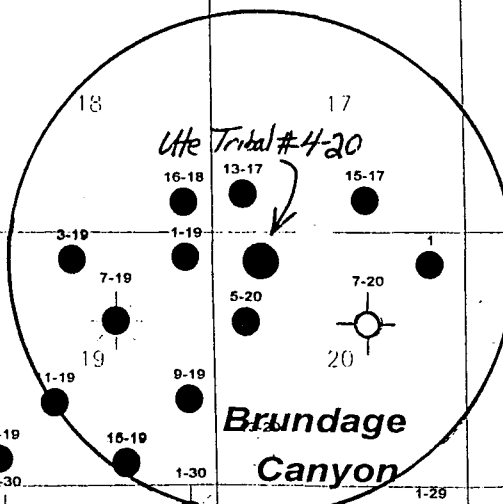
DATE



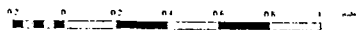
Gene Martin
Production Supervisor
Barrett Resources Corporation

T5S R5W

T5S R4W



Scale 1:48000.



Barrett Resources		
Brundage Canyon Field Base Map Duchesne County, Utah		
J.M. TURNER		12/09/1999
Scale 1:48000.		R.W. Wells, Jr.

APPLICATION FOR GRANT OF CORRIDOR RIGHT-OF-WAY

BARRETT RESOURCES CORPORATION, having a resident or principal place of business at **30 West 425 South (330-5), Roosevelt, Utah, 84066**, hereby files an application with the Bureau of Indian Affairs, pursuant to the terms and provisions of the Act of February 5, 1948 (62 Stat. 17; 25 U.S.C. 323), and to the regulations of the Department of the Interior contained in Title 25, Code of Federal Regulations, Part 169, for the grant of a Right-of-Way for the following purposes and reasons:

To construct a Drill Site and Corridor Right-of Way to service the Ute Tribal #4-20

Across the following described Indian Lands NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M.

Drill Site = 2.121 Ac.

Corridor R-O-W = 0.971 Ac.
(Access Road & Pipeline)

Total Acreage = 3.092 Acres

Said Right-of-Way to be approximately 1,410.54 feet in length, 30 feet in width, and 0.971 Acres, and more particularly described and shown on the map of definite location to be attached and made a part hereof.

The applicant understands and hereby expressly agrees to the following stipulations:

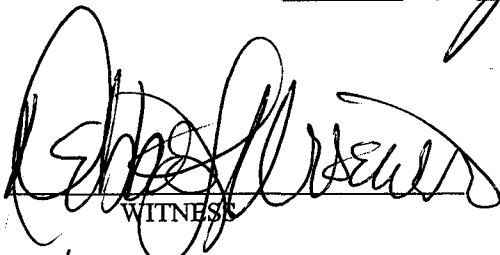

- (a) To construct and maintain the Right-of-Way in a workmanlike manner.
- (b) To pay promptly all damages and compensation, in addition to the deposit made pursuant to 169.4 determined by the Secretary to be due the landowners and authorized users and occupants of the land on account of the survey, granting, construction and maintenance of the Right-of-Way.
- (c) To indemnify the landowners and authorized users and occupants against any liability for loss of life, personal injury and property damage arising from the construction, maintenance, occupancy or use of the lands by the applicant, his employees, contractors and their employees or subcontractors and their employees.
- (d) To restore the lands as nearly as may be possible to their original condition upon the completion of the construction to the extent compatible with the purpose for which the Right-of-Way was granted.
- (e) To clear and keep clear the lands within the Right-of-Way to the extent compatible with the purpose of the Right-of-Way; and to dispose of all vegetative and other material cut, uprooted, or otherwise accumulated during the construction and maintenance of the project.
- (f) To take soil and resource conservation and protection measures, including weed control, on the land covered by the Right-of-Way.
- (g) To do everything reasonable within its power to prevent and suppress fires on or

near the lands to be occupied under the Right-of-Way.

- (h) To build and repair such roads, fences, and trails as may be destroyed or injured by construction work and to build and maintain necessary and suitable crossings for all roads and trails that intersect the works constructed, maintained, or operated under the Right-of-Way.
- (i) That upon revocation or termination of the Right-of-Way, the applicant shall, so far as is reasonably possible, restore the land to its original condition.
- (j) To at all times keep the Secretary informed of its address, and in case of corporations of the address of its principal officers.
- (k) That the applicant will not interfere with the use of the lands by or under the authority of the landowners for any purpose not inconsistent with the primary purpose for which the Right-of-Way is granted.

IN WITNESS THEREOF, BARRETT RESOURCES CORPORATION, has caused this instrument to

be executed this 7th day of January 2000


WITNESS

WITNESS

BARRETT RESOURCES CORPORATION
APPLICANT


Gene Martin/Production Foreman
30 West 425 South (330-5)
Roosevelt, Utah 84066
Phone:(435)722-1325

SUPPORTING DOCUMENTS:

- () Written consent of the landowners.
- () Evidence of good faith and financial responsibility.
- (x) \$0 as per the terms of the Exploration and Development Agreement.
- () State certified copy of corporate charter or articles of corporation.
- () Certified copy of resolution or bylaws of the corporation authorizing the filing of the stipulations.
- () State certification that the applicant is authorized to do business in the State where the land is located.
- () Certified copy of the articles of partnership or association.
- (x) Map of definite location.
- () Other:

BARRETT RESOURCES CORPORATION
UTE TRIBAL #4-20
CORRIDOR RIGHT-OF-WAY & DAMAGE AREA
SECTION 20, T5S, R4W, U.S.B.&M.

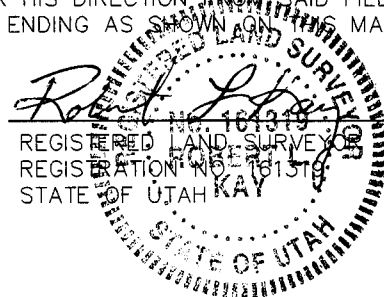
TOTAL CORRIDOR RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1,410.54' OR 0.267 MILES. WIDTH OF
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).
CONTAINS 0.971 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }
COUNTY OF UTAH } SS

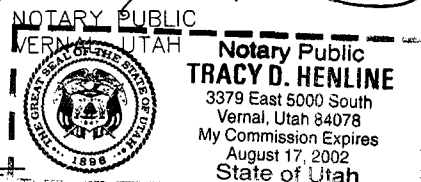
ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR BARRETT RESOURCES CORPORATION, THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION); THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE DAMAGE AREA & CORRIDOR RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.267 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS 22 DAY OF May 1999.

MY COMMISSION EXPIRES Aug 17, 2002.



APPLICANT'S CERTIFICATE

I, GENE MARTIN, DO HEREBY CERTIFY THAT I AM THE AGENT FOR BARRETT RESOURCES CORPORATION, HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, 0.267 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 14+10.54, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

Gene Martin
APPLICANT

PRODUCTION FOREMAN
TITLE

BARRETT RESOURCES CORPORATION
LOCATION DAMAGE AREA &
CORRIDOR RIGHT-OF-WAY
ON UTE TRIBAL LANDS

(For UTE TRIBAL #4-20)
LOCATED IN
SECTION 20, T5S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M. WHICH BEARS N62°54'45"E 1663.44' FROM THE WEST 1/4 CORNER OF SAID SECTION 20, THENCE N64°03'20"W 157.22'; THENCE N49°34'25"W 102.48'; THENCE N22°53'11"W 148.50'; THENCE N11°00'00"E 147.30'; THENCE N25°00'00"W 89.00'; THENCE N33°00'00"W 79.11'; THENCE N56°11'48"W 155.78'; THENCE N50°00'53"W 52.14'; THENCE N28°37'37"W 57.23'; THENCE N15°17'52"W 70.20'; THENCE N27°23'04"E 41.72'; THENCE N35°27'13"E 66.27'; THENCE N27°01'41"E 68.75'; THENCE N22°58'42"W 31.70'; THENCE N46°25'31"W 123.06'; THENCE N10°26'09"E 20.08' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 20 WHICH BEARS S50°36'52"E 1221.41' FROM THE NORTHWEST CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E. CONTAINS 0.971 ACRES MORE OR LESS.

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M. WHICH BEARS S50°36'52"E 1221.41' FROM THE NORTHWEST CORNER OF SAID SECTION 20, THENCE N70°21'22"W 152.43'; THENCE N19°38'38"E 240.00'; THENCE N53°20'02"E 144.22'; THENCE S70°21'22"E 190.00'; THENCE S19°38'38"W 360.00'; THENCE N70°21'22"W 117.57' TO THE POINT OF BEGINNING. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E. CONTAINS 2.121 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 300'	DATE 11-19-99
PARTY K.K. S.L. C.B.T.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 1 6 6 7

Section Line S89°58'05"E - 5245.60' (Meas.)

NE Cor. Sec. 19,
Marked Stone,
Pile of Stones

DAMAGE AREA
UTE TRIBAL #4-20

Contains 2.121 Acres

END OF PROPOSED
CORRIDOR RIGHT-OF-WAY
STA. 14+10.54

(At Edge of Damage Area)

Ute
Tribal

Ute
Tribal

Ute
Tribal

BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E.

BEGINNING OF PROPOSED
CORRIDOR RIGHT-OF-WAY
STA. 0+00
(At Existing Road)

Sec. 20

▲ = SECTION CORNERS LOCATED.

APPLICATION FOR GRANT OF CORRIDOR RIGHT-OF-WAY

BARRETT RESOURCES CORPORATION, having a resident or principal place of business at 30 West 425 South (330-5), Roosevelt, Utah, 84066, hereby files an application with the Bureau of Indian Affairs, pursuant to the terms and provisions of the Act of February 5, 1948 (62 Stat. 17; 25 U.S.C. 323), and to the regulations of the Department of the Interior contained in Title 25, Code of Federal Regulations, Part 169, for the grant of a Right-of-Way for the following purposes and reasons:

To construct a Corridor Right-of Way to service the Ute Tribal #4-20

Across the following described Indian Lands SW 1/4 OF SECTION 17 & THE NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M.

Corridor R-O-W = 0.721 Ac.
(Pipeline)

Total Acreage = .721 Acres

Said Right-of-Way to be approximately 1,046.39 feet in length, 30 feet in width, and 0.721 Acres, and more particularly described and shown on the map of definite location to be attached and made a part hereof.

The applicant understands and hereby expressly agrees to the following stipulations:

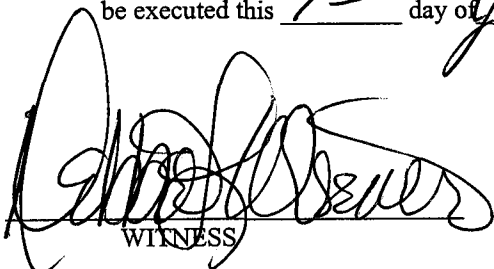
- (a) To construct and maintain the Right-of-Way in a workmanlike manner.
- (b) To pay promptly all damages and compensation, in addition to the deposit made pursuant to 169.4 determined by the Secretary to be due the landowners and authorized users and occupants of the land on account of the survey, granting, construction and maintenance of the Right-of-Way.
- (c) To indemnify the landowners and authorized users and occupants against any liability for loss of life, personal injury and property damage arising from the construction, maintenance, occupancy or use of the lands by the applicant, his employees, contractors and their employees or subcontractors and their employees.
- (d) To restore the lands as nearly as may be possible to their original condition upon the completion of the construction to the extent compatible with the purpose for which the Right-of-Way was granted.
- (e) To clear and keep clear the lands within the Right-of-Way to the extent compatible with the purpose of the Right-of-Way; and to dispose of all vegetative and other material cut, uprooted, or otherwise accumulated during the construction and maintenance of the project.
- (f) To take soil and resource conservation and protection measures, including weed control, on the land covered by the Right-of-Way.
- (g) To do everything reasonable within its power to prevent and suppress fires on or


near the lands to be occupied under the Right-of-Way.

- (h) To build and repair such roads, fences, and trails as may be destroyed or injured by construction work and to build and maintain necessary and suitable crossings for all roads and trails that intersect the works constructed, maintained, or operated under the Right-of-Way.
- (I) That upon revocation or termination of the Right-of-Way, the applicant shall, so far as is reasonably possible, restore the land to its original condition.
- (j) To at all times keep the Secretary informed of its address, and in case of corporations of the address of its principal officers.
- (k) That the applicant will not interfere with the use of the lands by or under the authority of the landowners for any purpose not inconsistent with the primary purpose for which the Right-of-Way is granted.


IN WITNESS THEREOF, BARRETT RESOURCES CORPORATION. has caused this instrument to

be executed this 7th day of January, 2000


WITNESS


WITNESS

BARRETT RESOURCES CORPORATION
APPLICANT


Gene Martin/Production Foreman
30 West 425 South (330-5)
Roosevelt, Utah 84066
Phone:(435)722-1325

SUPPORTING DOCUMENTS:

- () Written consent of the landowners.
- () Evidence of good faith and financial responsibility.
- (x) \$0 as per the terms of the Exploration and Development Agreement.
- () State certified copy of corporate charter or articles of corporation.
- () Certified copy of resolution or bylaws of the corporation authorizing the filing of the stipulations.
- () State certification that the applicant is authorized to do business in the State where the land is located.
- () Certified copy of the articles of partnership or association.
- (x) Map of definite location.
- () Other:

BARRETT RESOURCES CORPORATION
UTE TRIBAL #4-20
CORRIDOR PIPELINE RIGHT-OF-WAY
SECTIONS 17 & 20, T5S, R4W, U.S.B.&M.

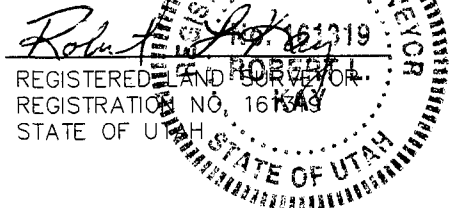
TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1,046.39' OR 0.198 MILES. WIDTH OF
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).
CONTAINS 0.721 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }
COUNTY OF UTAH } SS

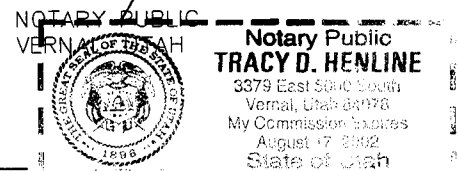
ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR BARRETT RESOURCES CORPORATION, THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES AND THAT SAID RIGHT-OF-WAY, 0.198 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS 22 DAY OF Nov 1999.

MY COMMISSION EXPIRES Aug 17, 2002



APPLICANT'S CERTIFICATE

I, GENE MARTIN, DO HEREBY CERTIFY THAT I AM THE AGENT FOR BARRETT RESOURCES CORPORATION, HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.198 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 10+46.39, THAT SAID PIPELINE RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

Gene Martin
APPLICANT

PRODUCTION FOREMAN
TITLE

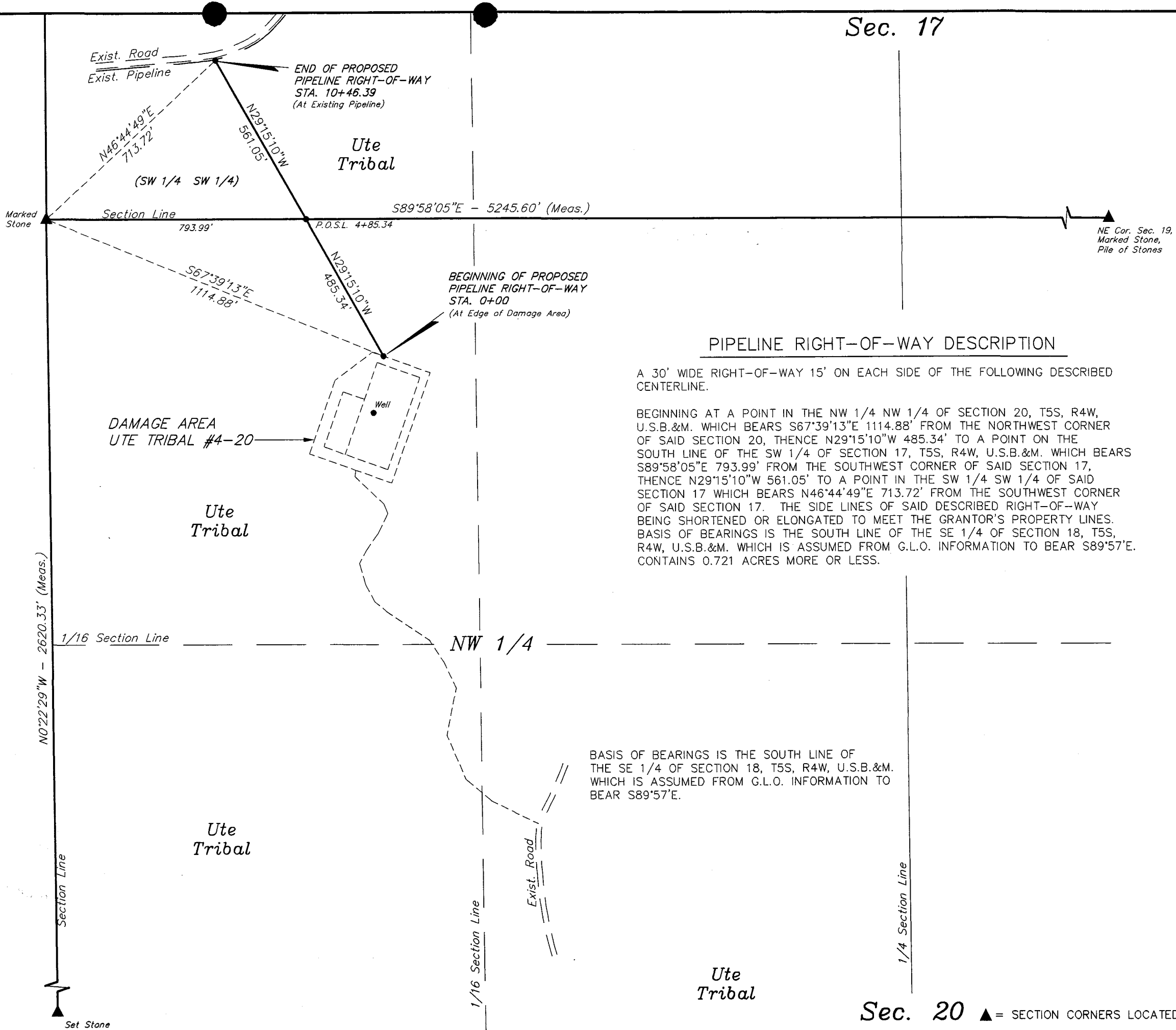
Sec. 17

BARRETT RESOURCES CORPORATION

CORRIDOR
PIPELINE RIGHT-OF-WAY
ON UTE TRIBAL LANDS

(For UTE TRIBAL #4-20)

LOCATED IN
SECTIONS 17 & 20, T5S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M. WHICH BEARS S67°39'13"E 1114.88' FROM THE NORTHWEST CORNER OF SAID SECTION 20, THENCE N29°15'10"W 485.34' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 OF SECTION 17, T5S, R4W, U.S.B.&M. WHICH BEARS S89°58'05"E 793.99' FROM THE SOUTHWEST CORNER OF SAID SECTION 17, THENCE N29°15'10"W 561.05' TO A POINT IN THE SW 1/4 SW 1/4 OF SAID SECTION 17 WHICH BEARS N46°44'49"E 713.72' FROM THE SOUTHWEST CORNER OF SAID SECTION 17. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E. CONTAINS 0.721 ACRES MORE OR LESS.

BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 18149
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

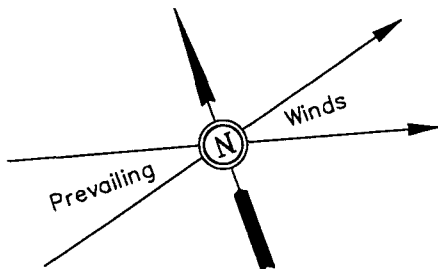
SCALE 1" = 300'	DATE 11-19-99
PARTY K.K. S.L. C.B.T.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 1 6 6 8

Sec. 20 ▲ = SECTION CORNERS LOCATED.

BARRETT RESOURCES CORPORATION

LOCATION LAYOUT FOR

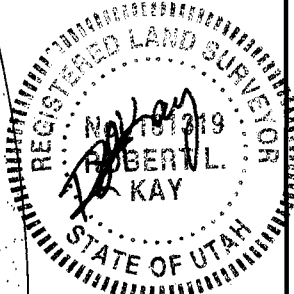
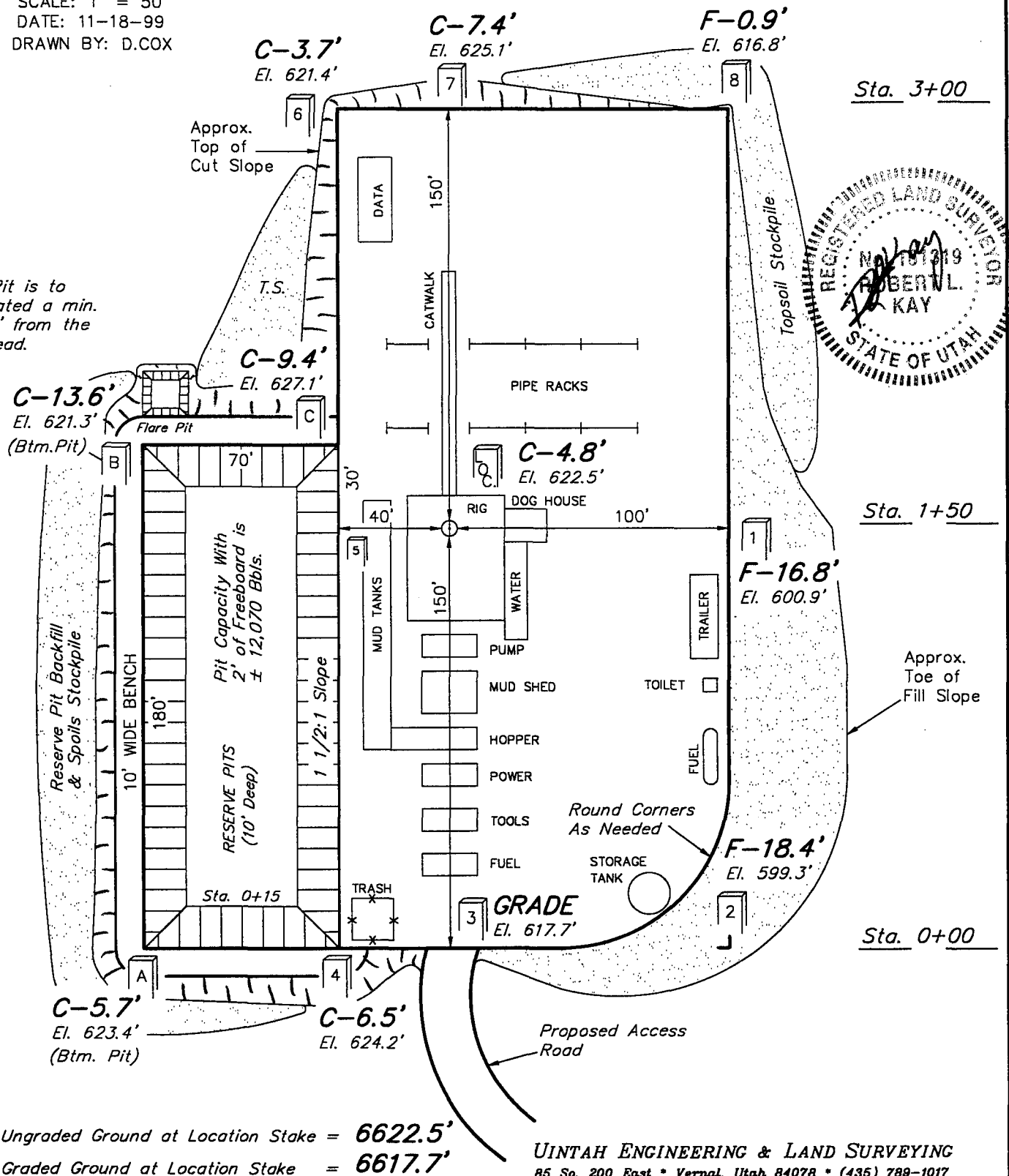
UTE TRIBAL #4-20
SECTION 20, T5S, R4W, U.S.B.&M.
598' FNL 995' FWL



SCALE: 1" = 50'
DATE: 11-18-99
DRAWN BY: D.COX

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



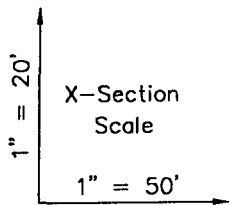
Elev. Ungraded Ground at Location Stake = 6622.5'
Elev. Graded Ground at Location Stake = 6617.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

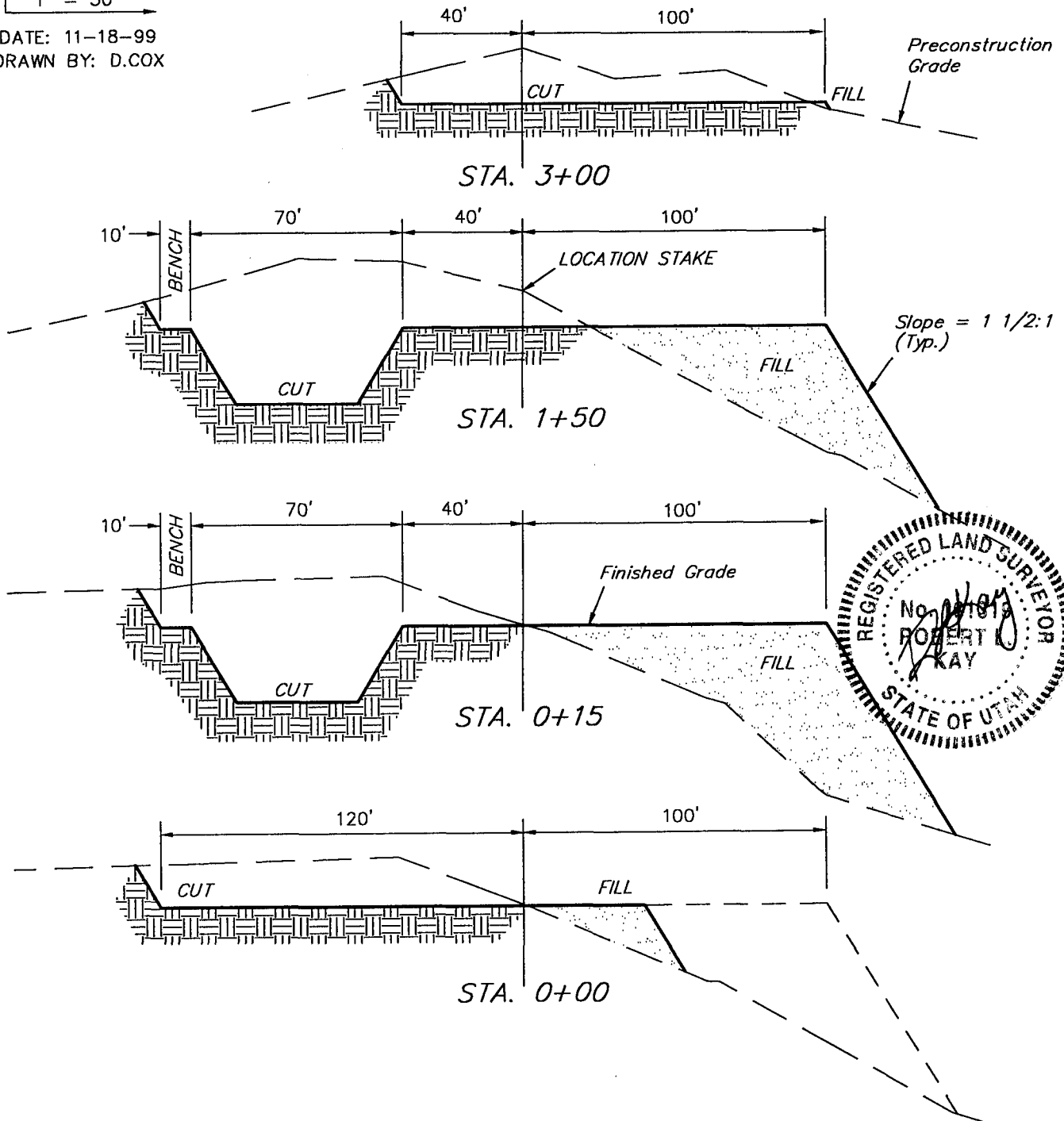
BARRETT RESOURCES CORPORATION

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #4-20
SECTION 20, T5S, R4W, U.S.B.&M.
598' FNL 995' FWL



DATE: 11-18-99
DRAWN BY: D.COX

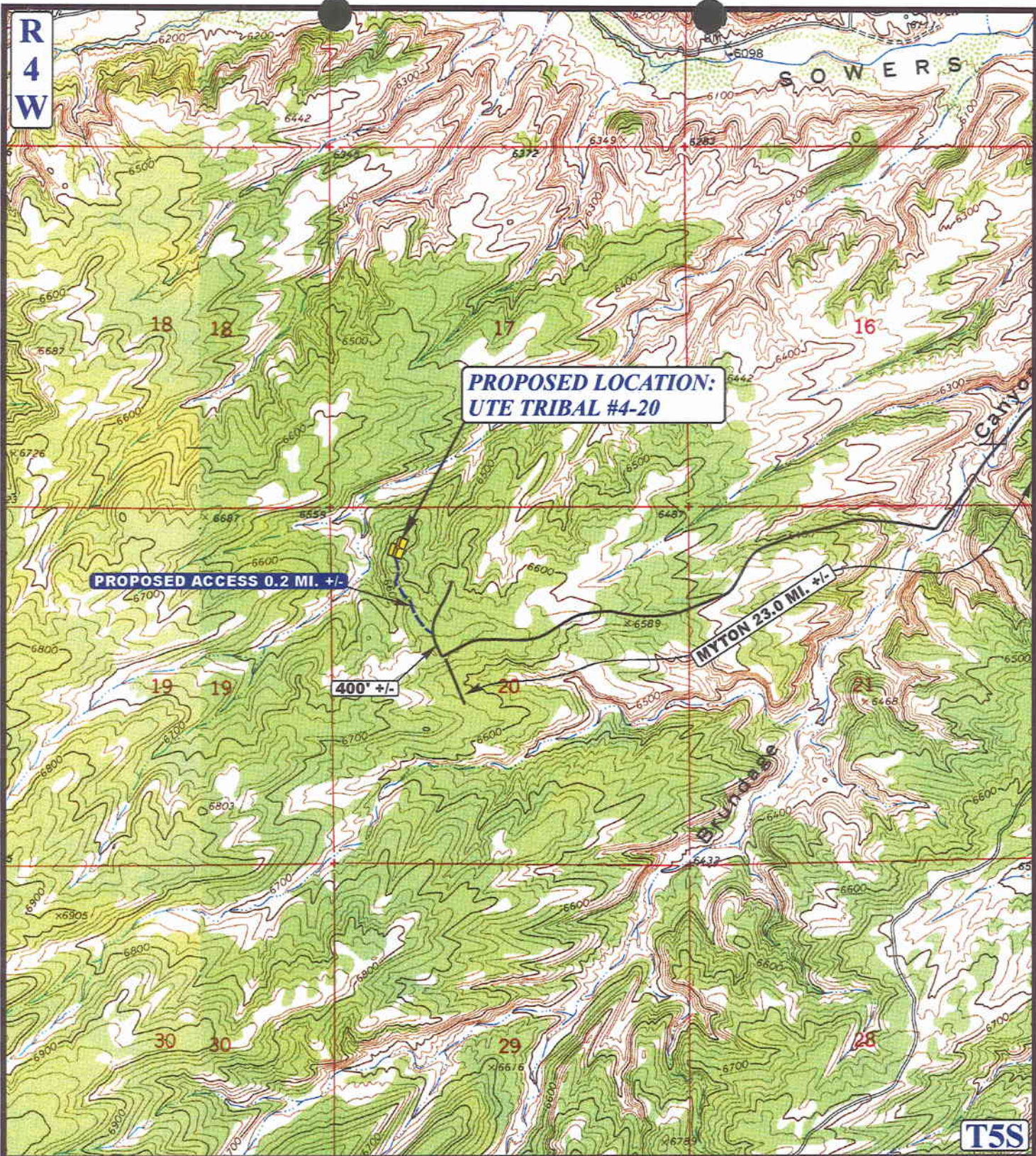


APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 2,080 Cu. Yds.
Remaining Location = 10,280 Cu. Yds.
TOTAL CUT = 12,360 CU.YDS.
FILL = 8,160 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 3,770 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 3,770 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

----- PROPOSED ACCESS ROAD
————— EXISTING ROAD



BARRETT RESOURCES CORPORATION

UTE TRIBAL #4-20
SECTION 20, T5S, R4W, U.S.B.&M.
598' FNL 995' FWL



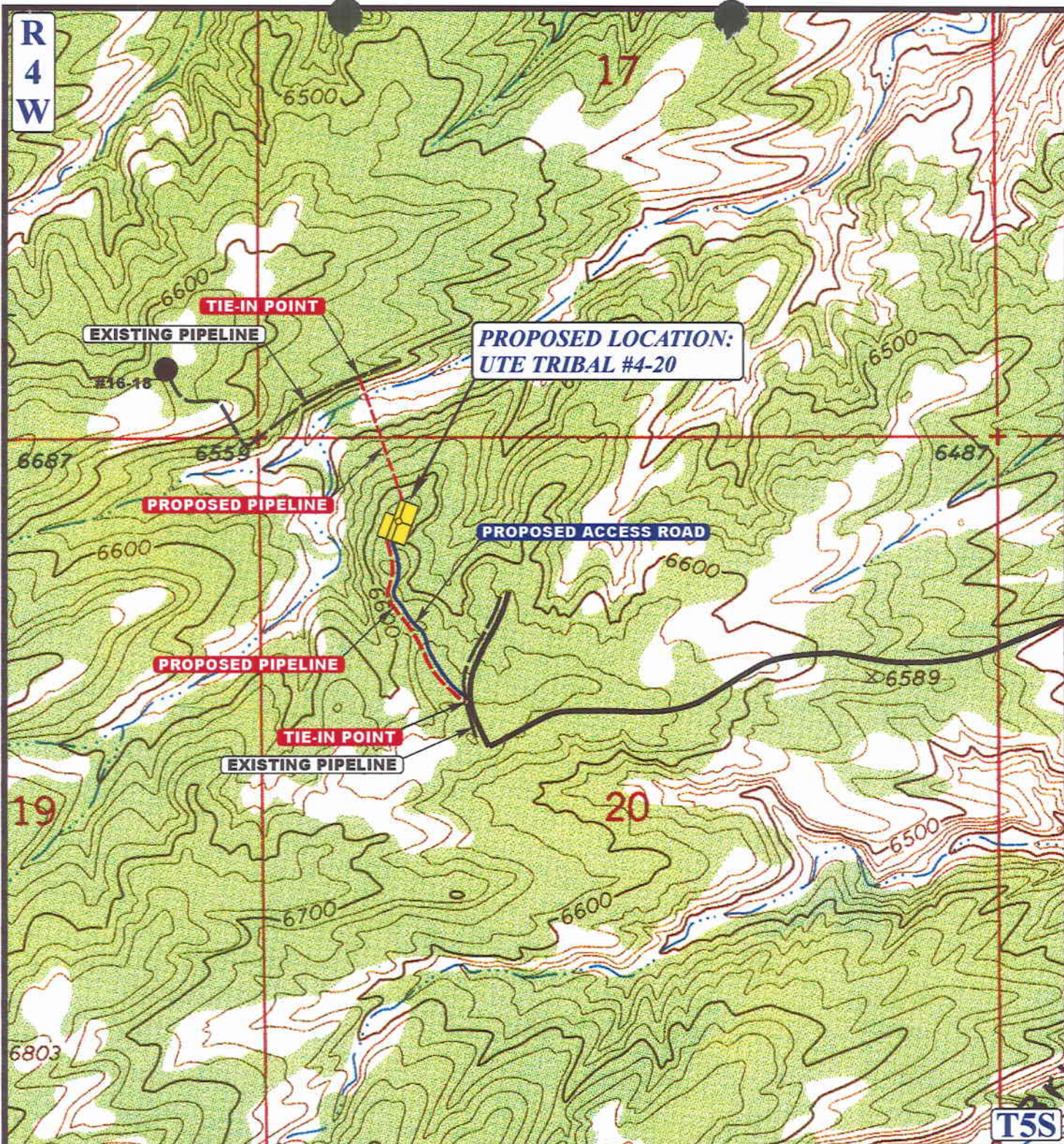
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

11 **4** **99**
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 2460' +/-

LEGEND:

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



BARRETT RESOURCES CORPORATION

UTE TRIBAL #4-20
SECTION 20, T5S, R4W, U.S.B.&M.
598' FNL 995' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

11 **4** **99**
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/12/2000

API NO. ASSIGNED: 43-013-32141

WELL NAME: UTE TRIBAL 4-20

OPERATOR: BARRETT RESOURCES CORP (N9305)

CONTACT: GENE MARTIN

PHONE NUMBER: 435-722-1325

PROPOSED LOCATION:

NWNW 20 050S 040W

SURFACE: 0598 FNL 0995 FWL

BOTTOM: 0598 FNL 0995 FWL

DUCHESNE

BRUNDAGE CANYON (72)

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3529

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: DGCRK

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. C00077 per Op. 1-19-00)
☒ Potash (Y/N)
☒ Oil Shale (Y/N) *190 - 5 (B)
☒ Water Permit
(No. Ute Tribe)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)

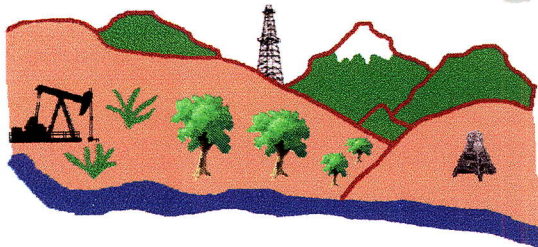
LOCATION AND SITING:

____ R649-2-3. Unit _____
____ R649-3-2. General
____ Siting: _____
☒ R649-3-3. Exception
____ Drilling Unit
____ Board Cause No: _____
____ Eff Date: _____
____ Siting: _____
____ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1 FEDERAL APPROVAL



Utah Oil Gas and Mining

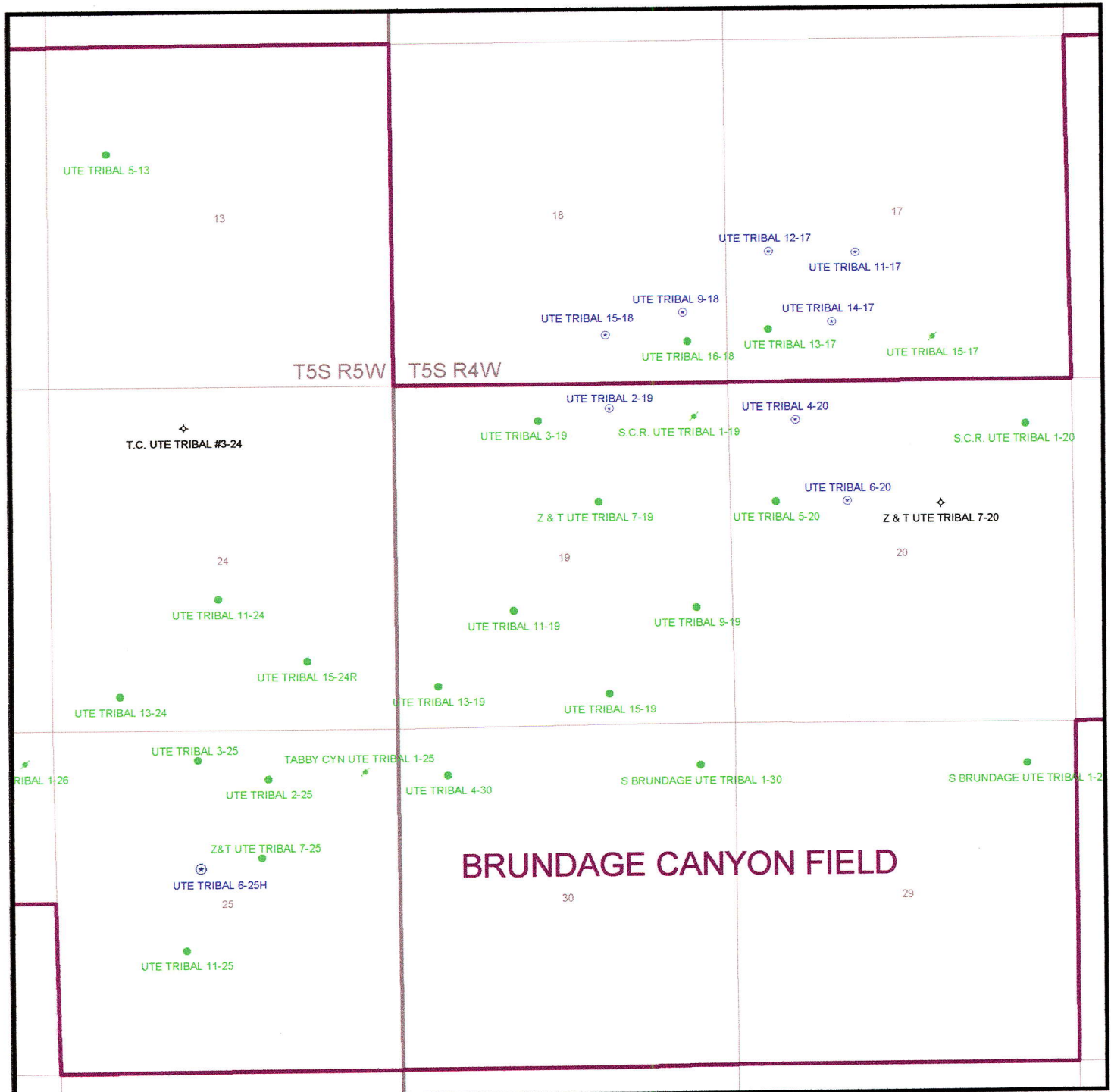
Serving the Industry, Protecting the Environment

OPERATOR: BARRETT RESOURCES (N9305)

FIELD: UNDESIGNATED (2) & BRUNDAGE CANYON (72)

S 25, T 5 S, R 5 W, & S 17, 18, 19, & 20 T 5 S, R 4 W

COUNTY: DUCHESNE CAUSE: NONE, UNIT: NONE



PREPARED
DATE: 17-Jan-2000



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

January 20, 2000

Barrett Resources Corp.
30 West 425 South (330-5)
Roosevelt, UT. 84066


Re: Ute Tribal 4-20 Well, 598' FNL, 995' FWL, NW NW, Sec. 20, T. 5 S., R. 4 W.,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32141.

Sincerely,

 John R. Baza
Associate Director

ecc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Barrett Resources Cor
Well Name & Number: Ute Tribal 4-20
API Number: 43-013-32141
Lease: Indian **Surface Owner:** Indian
Location: NW NW **Sec.** 20 **T.** 5 S. **R.** 4 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
Oil well ☒ Gas well ☐ OTHER ☐ Single zone ☒ Multiple zone ☐

2. NAME OF OPERATOR
BARRETT RESOURCES CORPORATION

3. ADDRESS OF OPERATOR
30 WEST 425 SOUTH (330-5) ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface (NW/NW) 598' FNL, 995' FWL

At proposed prod. zone
SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
22.2 MILES FROM MYTON, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY
OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 898'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING,
COMPLETED OR APPLIED FOR, ON THIS LEASE 1296'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6622' GR

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3529

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

UTE TRIBAL

9. WELL NO.
4-20

10. FIELD AND POOL, OR WILDCAT
BRUNDAGE CANYON

11. SEC., T., R., M., OR BLK,
AND SURVEY OR AREA

SEC. 20, T.5S., R.4W.

12. COUNTY OR PARISH
DUCHESNE

13. STATE
UTAH

17. NO OF ACRES ASSIGNED
TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
ROTARY

22. APPROX. DATE WORK WILL START*
January 15, 2000

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	300'	180 SX
7 7/8"	5 1/2"	15.5#	5985'	235 SX

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL. PLEASE SEE
THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

GENE MARTIN
30 WEST 425 SOUTH (330-5)
ROOSEVELT, UTAH 84066

OFFICE: (435)722-1325

CELLULAR: (435)790-7451

DIVISION OF
OIL, GAS AND MINING

PLEASE KEEP THIS INFORMATION ON THIS WELL **CONFIDENTIAL**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Gene Martin TITLE Production Foreman DATE 12/22/99

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO.

APPROVAL DATE

Assistant Field Manager

TITLE Mineral Resources

DATE 1-31-02

APPROVED BY [Signature]
CONDITIONS OF APPROVAL IF ANY

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGMA
CDVS 2017P

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Barrett Resources Corporation
Well Name & Number: Ute Tribal 4-20
API Number: 43-013-32141
Lease Number: 14-20-H62-3529
Location: NWNW Sec. 20 T. 5S R. 4W

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 2188 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to ± 1988 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert Petroleum Engineer	(435) 789-4170
Ed Forsman Petroleum Engineer	(435) 789-7077
Jerry Kenczka Petroleum Engineer	(435) 781-1190
Tim Ingwell Geologist	(435) 781-4493
BLM FAX Machine	(435) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM CONDITIONS OF APPROVAL(COAs)

The Ute Tribe Energy and Mineral Department is to be notified 48 hours in writing in advance of any construction activity. The Ute Tribal office days are Monday through Thursday. The Ute Tribe Energy and Minerals Department is to be notified in writing of any changes that are made to the original application and ROW. Approved changes will be provided in writing from the Ute Tribe. The Tribal Technician shall be notified and monitor backfilling of reserve pits and buried pipelines. During construction of the access road and flowline operations shall be monitored by the Tribal Technician.

Thirty foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 18 feet, except as granted for sharp curves or intersections or where deep cuts are required for road construction. The new access will be about 1411 feet in length. Culverts will be installed or extended where required and diversion ditches will be placed as needed to improve the proposed roads. According to plans discussed at the onsite a flowline is also planned for the new access road corridor.

An additional surface steel production flowline is planned for this project. This flowline shall be about 1047 feet in length North of the well pad as shown in Map C of the APD January 7, 2000. According to Map C of the APD, the two flowlines add up to about 2460 feet, 1411 of that in the new access corridor.

Surface pipelines will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation without site specific authorization from BIA and Ute Tribe Energy & Minerals.

Where surface pipelines do not parallel roads but cross country between stations. The line shall either be welded in place at a welding station located at the wellsite or on roads near the flowline right of way and then dragged into place with a suitable piece of equipment so it will not destroy the natural vegetation. If the flowline doesn't follow existing and APD proposed new access roads then traffic shall be restricted along pipeline ROWs so that they will not be used as an access road.

Buried flowlines shall be a minimum of three feet below the surface. After the construction of the pipeline is completed the disturbed area of the ROW shall be contoured to blend into the natural landscape, and it shall be reseeded with desirable vegetation. Between September 15 and November 1 of the year following pipeline construction of the buried line all disturbed areas shall be reseeded with perennial vegetation according to BIA, or to Ute Tribe specifications.

The pad will be built as indicated in the APD layout diagram. If the well is a dry hole, the BIA shall be consulted for reclamation requirements. The pad shall in this case be restored and reshaped to its natural contours.

Barrett Resources will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current 2000 Tribal Business License and have access permits prior to construction.

Barrett employees, representatives, and subcontractors shall not carry firearms on their person or in their vehicles while working on the Uintah and Ouray Indian Reservation.

Barrett employees and/or authorized personnel (subcontractors) in the field will have applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area. The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains (including paleontology fossils) from subsurface deposits are exposed or identified during construction or if the need arises to relocate or otherwise alter the location of the construction area. Prior to commencing constructing in the area where cultural resources are exposed the operator must obtain authorization from the BIA and the Ute Tribal Department of Cultural Rights and Protection.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

When the reserve pit is dug: if groundwater is encountered then the pit bottom will be placed one foot above the water level. The pit will then be elongated and widened to maintain its original capacity. The Ute Tribe Energy and Minerals Department will be notified of the changes to be made so that a Tribal Technician can monitor the construction of the revised reserve pit.

Reserve pits will be lined with impervious synthetic liners. Liners will be constructed to lay under the mud tanks, and they will be reinforced to prevent the liner from developing holes where fluids flow from the mud tank into the reserve pit. Liners will be at least 10-mil thick minimum. Pits will be fenced and fences will be maintained as described in the wellsite layout description in the APD. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the pits are backfilled, the surplus oil and mud etc. will be buried a minimum depth of 3.0 feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. Low profile tanks may be used to minimize problems with irrigation systems. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Barrett Resources so that a Tribal Technician can verify Affidavit of Completions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

OMB No. 1004-0135
Expires: July 31, 1996

5. Lease Serial No.

UTE 14-20-H62-3529

6. If Indian, Allottee, or Tribe Name

UTE TRIBE

7. If Unit or CA. Agreement Designation

14-20-H62-4919

8. Well Name and No.

UTE TRIBAL 4-20

9. API Well No.

43-013-32141

10. Field and Pool, or Exploratory Area

Brundage Canyon

11. County or Parish, State

DUCHESNE, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE-Other Instructions on the reverse side

1. Type of Well

☒ Oil Well

☐ Gas Well

☐ Other

2. Name of Operator

Barrett Resources Corporation

3. Address 1515 Arapahoe Street, Tower 3, Suite 1000

Denver, Colorado 80202

3b. Phone No. (include area code)

(303) 572-3900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

598' FNL x 995' FWL

NW/4 NW/4 Section 20-T5S-R4W

CONFIDENTIAL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/>	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other one year extension
<input type="checkbox"/>	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/>	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work be will performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BARRETT RESOURCES CORPORATION RESPECTFULLY REQUESTS THAT THE APPROVED
APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR ONE (1) YEAR.

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MAR 09 2001

DIVISION OF
OIL, GAS AND MINING

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FEB 15 2001

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

Debra K. Stanberry

Title

Permitting Specialist

Signature

Date

1/30/01

Approved by

Title

Petroleum Engineer

Date

FEB 28 2001

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

DOGM

**Ballard Petroleum LLC
APD Extension**

Well: Ute Tribal 4-20

Location: NWNW Sec. 20, T5S, R4W

Lease: UTU 61400

CONDITIONS OF APPROVAL

An extension for the referenced APD is granted with the following conditions:

- 1. The extension will expire January 31, 2002**
- 2. No other extensions beyond that time frame will be granted or allowed.**

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

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MAR 09 2001

**DIVISION OF
OIL, GAS AND MINING**



State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Robert Morgan
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 11, 2002

Debbie Wisener
Barrett Resources Corp
1515 Arapahoe St. Tower 3 Suite 1000
Denver, Colorado 80202

Re: APD Rescinded – Ute Tribal 4-20, Sec. 20, T. 5S, R. 4W – Duchesne, Utah
API No. 43-013-32141

Dear Ms. Wisener:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 20, 2000. On February 14, 2001, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective February 14, 2002.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Engineering Technician

cc: Well File
Bureau of Land Management, Vernal



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

April 12, 2002

Debbie Wisener
Barrett Resources Corporation.
30 West 425 South
Roosevelt, Utah 84066

Re: Notification of Expiration
Well No. Ute Tribal 4-20
NWNW, Section 20, T5S, R4W
Duchesne County, Utah
Lease No. 14-20-H62-3529
Agreement No. 14-20-H62-4919

Dear Ms. Wisener:

43-013-32141

The Application for Permit to Drill the above-referenced well was approved on January 30, 2000. Barrett Resources Corporation requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until January 31, 2002. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Walker

Leslie Walker
Legal Instruments Examiner

cc: UDOG - Lisha Cordova
BIA
Ute Tribe

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APR 22 2002

DIVISION OF
OIL, GAS AND MINING